

6237.NCP DV1

Amend to 08/25/2004 Office Communication

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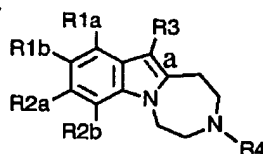
Please delete the abstract as originally filed on pages 329-331.

Please replace with the following:

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ABSTRACT OF THE DISCLOSURE

A compound of formula I:



I

where ~~a is a single bond or double bond, and where~~

10

~~R1a, R1b, R2a and R2b are each independently~~

~~(a) H, Cl, Br, I, F, CN, CF₃, OCF₃, OR₅, CONR₅R₆, COR₅, CO₂R₅, Y(CH₂)_mXR₅ or YC(O)(CH₂)_mXR₅, where m = 0-3, Y = CH₂, S, O, or NR₆, X = CH₂, S, O, NR₆;~~

15

~~(b) (CH₂)_pAr where p = 0-3 and Ar is aryl or heteroaryl optionally substituted with one or more of the following: H, halogen, CN, NO₂, OR₇, CF₃, OCF₃, SR₇, SO₂R₇, SO₂NR₇R₈, NR₇R₈, CONR₇R₈, NR₇COR₈, NR₇CONR₈R₉, CO₂R₇, COR₇, or R₇; or~~

20

~~(c) linear or branched C₁-C₈ alkyl, linear or branched C₂-C₈ alkenyl, linear or branched C₂-C₈ alkynyl, C₃-C₈ cycloalkyl, C₂-C₈ cycloalkenyl, or C₃-C₈ cycloalkynyl; wherein any of these groups may be optionally substituted with one or more of the following: halogen, CN, NO₂, COR₇, OR₇, NR₇R₈, SR₇, CO₂R₇, CONR₇R₈ or NR₇COR₈; and where~~

25

~~R₃ is~~

~~(a) H, Cl, Br, I, F, CN, CF₃, OCF₃, alkyl, Ar, OR₅, SR₅, CHO, CONR₅R₆, COR₅,~~

~~CO₂R₅, Y(CH₂)_mXR₅, C(O)C(O)YR₅, Y(CH₂)_mC(O)C(O)YR₅, C(O)C(O)YR₅, C(O)C(O)YR₅,~~

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(Y)_o(CH₂)_nN(R6)C(O)R5, (Y)_o(CH₂)_nN(R6)S(O)₂R5, (Y)_o(CH₂)_nN(R6)C(O)OR5,
 (Y)_o(CH₂)_nN(R6)C(O)NR5R6 where o = 0 or 1, n = 0-3, X = CH₂, S, O, or NR6 and
 Y = CH₂, S, O or NR6, where Ar is aryl or heteroaryl optionally substituted with one or
 more of the following: H, halogen, CN, NO₂, OR7, CF₃, OCF₃, SR7, SO₂R7,
 5 SO₂NR7R8, NR7R8, CONR7R8, NR7COR8, NR7CONR8R9, CO₂R7, COR7, or R7;
 or

(b) linear or branched C₁-C₈ alkyl, linear or branched C₂-C₈ alkenyl, linear or
 branched C₂-C₈ alkynyl, C₃-C₈ cycloalkyl, C₃-C₈ cycloalkenyl, or C₃-C₈ cycloalkynyl;
 10 wherein any of these groups may be optionally substituted with one or more of the
 following: halogen, CN, NO₂, COR10, OR10, NR10R8, SR10, CO₂R10, CONR10R8
 or NR10COR8; and where

R4, R5 and R6 are each independently

15

(a) H, linear or branched C₁-C₈ alkyl, linear or branched C₂-C₈ alkenyl, linear or
 branched C₂-C₈ alkynyl, C₃-C₈ cycloalkyl, C₃-C₈ cycloalkenyl, or C₃-C₈ cycloalkynyl;
 wherein any of these groups other than H may be optionally substituted with one or
 more of the following: halogen, CN, NO₂, COR10, OR10, NR10R11, SR10, CO₂R10,
 20 CONR10R11 or NR10COR11; or where R5 and R6 are linked to form a 3 to 8
 member ring; or

(b) (CH₂)_pAr where p = 0-3 and Ar is aryl or heteroaryl optionally substituted with one
 or more of the following: H, halogen, CN, NO₂, OR7, CF₃, OCF₃, SR7, SO₂R7,
 25 SO₂NR7R8, NR7R8, CONR7R8, NR7COR8, NR7CONR8R9, CO₂R7, COR7, or R7;
 and where

R7, R8, and R9 are each independently

30 (a) H, linear or branched C₁-C₈ alkyl, linear or branched C₂-C₈ alkenyl, linear or
 branched C₂-C₈ alkynyl, C₃-C₈ cycloalkyl, C₃-C₈ cycloalkenyl, or C₃-C₈ cycloalkynyl
 groups, wherein any of these groups other than H may be optionally substituted with
 halogen, CN, NO₂, COR10, OR10, NR10R11, SR10, CO₂R10, CONR10R11,

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NR10COR11, NR10CONR11R12, or where R7, R8, or R9 are linked to form a ring;

or

(b) $(CH_2)_p$ Ar where $p = 0-3$ and Ar is aryl or heteroaryl optionally substituted with
5 one or more of the following: H, halogen, CN, NO₂, OR10, CF₃, OCF₃, SR10,
SO₂R10, SO₂NR10R11, NR10R11, CONR10R11, NR10COR11, NR10CONR11R12,
CO₂R10, COR10, or R10; and where

10 R10, R11 and R12 are each independently H, linear or branched C₁-C₈ alkyl, linear or
branched C₃-C₈ alkenyl, linear or branched C₂-C₈ alkynyl, C₃-C₈ cycloalkyl, C₃-C₈
cycloalkenyl, or C₃-C₈ cycloalkynyl;

~~or a stereoisomer or pharmaceutically acceptable salt thereof.~~

15 wherein a, R1a, R1b, R2a, R2b, R3, R4, R5, R6, R7, R8, R9, R10, R11, and R12 each
have any of the definitions provided herein. The present invention provides novel
diazepinoindole compounds of Formula I. These compounds are 5-HT ligands and
are useful for treating diseases wherein modulation of 5-HT activity is desired.

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